



OWNER'S MANUAL

Model Number

700576 Snowblower 44"



Northeast 2 Stage Snowblower 44" with Electric Lift

for

THE MAJORITY OF TRACTORS BY H.O.P. (2006 AND AFTER)

CRAFTSMAN, HUSQVARNA, ARIENS, DIXON, POULAN, WEDEATER

CAUTION:

**READ & FOLLOW ALL SAFETY RULES & INSTRUCTIONS BEFORE
OPERATING YOUR EQUIPMENT**



LIMITED WARRANTY

Conditions and Products Covered:

BERCOMAC guarantees any part of the product or accessory manufactured by BERCOMAC and found in the reasonable judgment of BERCOMAC to be defective in material and or workmanship will be repaired or replaced by an authorized dealer without charge up to our maximum labor rates and pre-established times. For replacement parts only standard ground freight services are covered. This warranty extends to the original retail purchaser only and is not transferable to any subsequent purchasers.

Warranty Period

(from date of the original retail purchase)

- Residential use: 1 year
- Semi-commercial, professional or rental use: 90 days

Exceptions Noted Below: the following items are guaranteed by the original manufacturer and have their own warranty, conditions and limited time:

- Tire Chains: 90 days
- Engines: Will vary as per the manufacturer
Please refer to the engine manufacturer's warranty statement included with the unit. BERCOMAC is not authorized to handle warranty adjustments on engines.

Items and Conditions NOT Covered:

This warranty does not cover the following:

- Pick-up or delivery charges or in-home services fees.
- Any damage or deterioration of the unit, parts and or finish of these due to normal use, wear and tear, or exposure.
- Cost of regular use or maintenance service or parts, such as gas, oil, lubricants, tune-up parts, and adjustments.
- Any part or accessory which has been altered, modified, misused, neglected, accidentally damaged or not properly installed, maintained, stored or repaired not in accordance with the instructions in the owner's manual.
- Repair due to normal wear and or any wear items such as shear pins, bolts, belts, etc.
- Expedited freight fee services for replacement parts.
- Shear bolts and shear pins are to be considered as a preventive measure not as an assured protection, any damages resulting from the lack of shear bolts breakage are not covered.

NOTE: All warranty work must be performed by an authorized dealer using original (manufacturer) replacement parts.

Owner's Responsibilities:

BERCO's defective equipment or part must be returned to an Husqvarna dealer or an authorized BERCO dealer within the warranty period for repairs. In the event that defective merchandise must be returned to manufacturer for repairs, freight fees are prepaid and a written authorization from BERCOMAC must be obtained by dealer prior to the shipment. This warranty extends only to equipment operated under normal conditions. To validate a warranty claim, it is the user's responsibility to maintain and service the unit as specified in the owner's manual or to have the unit serviced at their dealer at their expense.

General Conditions:

The sole liability of BERCOMAC with respect to this warranty shall be strictly and exclusively repair and replacement as mentioned herein. BERCOMAC shall not have any liability for any other costs, loss or damage, including but not limited to, any incidental or consequential loss or damage.

In particular, without being limited to, BERCOMAC shall have no liability or responsibility for:

- Travel time, overtime, after hours time or other extraordinary repair charges or relating to repairs and or replacements outside of normal business hours.
- Rental of like or similar replacement equipment during the period of any, repair or replacement work.
- Any communicating or travel charges.
- Loss or damage to person or property other than that covered by the terms of this warranty.
- Any claims for lost revenue, lost profit or any similar costs as a result of damage or repair.
- Attorney's fees.

BERCOMAC's responsibility in respect to claims is limited to making the required repairs or replacement without charge up to our maximum labor rates and pre-established times and no claim of breach of warranty shall be cause for cancellation or rescission of the contract of sale of any product or accessory.

This warranty gives you specific legal rights. You may also have other rights, which vary from state to state.

NOTE: Bercomac reserves the right to change or improve the design of any part or accessory without assuming any obligation to modify any product previously manufactured.

Instructions for Obtaining Warranty Services:

Contact your local Husqvarna authorized dealer or any other BERCO service dealer to arrange service at their dealership. To locate a BERCO dealer convenient to you, access our website at www.bercomac.com. Don't forget to bring your proof of purchase (sales receipt) for repairs.

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INTRODUCTION

TO THE PURCHASER

This new accessory was carefully designed to give years of dependable service. This manual has been provided to assist in the safe operation and servicing of your attachment.

NOTE: All photographs and illustrations in the manual may not necessarily depict the actual models or attachment, but are intended for reference only and are based on the latest product information available at the time of publication.

Familiarize yourself fully with the safety recommendations and operating procedures before putting the machine to use. Carefully read, understand and follow these recommendations and insist that they be followed by those who will use this attachment.



THIS SAFETY ALERT SYMBOL IDENTIFIES AN IMPORTANT SAFETY MESSAGE IN THIS MANUAL THAT HELPS YOU AND OTHERS AVOID PERSONAL INJURY OR EVEN DEATH. DANGER, WARNING, AND CAUTION ARE SIGNAL WORDS USED TO IDENTIFY THE LEVEL OF HAZARD. HOWEVER, REGARDLESS OF THE HAZARD, BE EXTREMELY CAREFUL.

DANGER: Signals an extreme hazard that will cause serious injury or death if recommended precautions are not followed.

WARNING: Signals a hazard that may cause serious injury or death if the recommended precautions are not followed.

CAUTION: Signals a hazard that may cause minor or moderate injury if the recommended precautions are not followed.

Record your attachment serial number and purchase date in the section reserved below (there is no serial number on the subframe). Your dealer requires this information to give you prompt, efficient service when ordering replacement parts. Use only genuine parts when replacements are required.

If warranty repairs are required please present this registration booklet and original sales invoice to your selling dealer for warranty service.

This manual should be kept for future reference.

Please check if you have received all the parts for your kit with the list of the bag and the list of the box.

SERIAL NUMBER :
(IF APPLICABLE)

MODEL NUMBER:

PURCHASE DATE :



SAFETY PRECAUTIONS



Careful operation is your best insurance against an accident. Read this section carefully before operating the vehicle and accessory. This accessory is capable of amputating hands and feet and throwing objects. Failure to observe the following safety instructions could result in serious injury. All operators, no matter how experienced they may be, should read this and other manuals related to the vehicle and accessory before operating. It is the owner's legal obligation to instruct all operators in safe operation of the accessory.

GLOSSARY:

In this manual, right and left sides are determined by sitting on the seat of the vehicle facing forward.

In this manual, "accessories" means attachments (snowblower, rotary broom, blade etc.) that you install on the vehicle (lawn tractors, A.T.V. s etc).

TRAINING:



This symbol, "Safety Alert Symbol", is used throughout this manual and on the accessory's safety labels to warn of the possibility of serious injury. Please take special care in reading and understanding the safety precautions before operating the vehicle and accessory.

1. Read this owner's manual carefully. Be thoroughly familiar with the controls and proper use of the vehicle and accessory. Know how to stop the unit and disengage the controls quickly.
2. Never allow children to operate the vehicle nor the accessory. Never allow adults to operate the vehicle nor the accessory without proper instructions.
3. No one should operate the vehicle nor the accessory while intoxicated or while taking medication that impairs the senses or reactions.
4. Keep the area of operation clear of all people, particularly small children and pets.

PREPARATION:

1. Thoroughly inspect the area where the accessory is to be used and remove door mats, all foreign objects and the like.
2. For motorized accessories, disengage all clutches and shift into neutral before starting engine.
3. Do not operate the accessory without wearing adequate winter outer garments. Avoid loose fitting clothing that can get caught in moving parts. Wear footwear that will improve footing on slippery surfaces.

4. Handle fuel with care, it is highly flammable.

- a) Use approved fuel container.
 - b) Never add fuel to a running engine or hot engine.
 - c) Fill fuel tank outdoors with extreme care. Never fill fuel tank indoors.
 - d) Never fill containers inside a vehicle, or on a truck or a trailer bed with a plastic liner. Always place containers on the ground, away from your vehicle, before filling.
 - e) When practical, remove gas-powered equipment from the truck or trailer and refuel it on the ground. If this is not possible, then refuel such equipment on a trailer with a portable container, rather than from a gasoline dispenser nozzle.
 - f) Keep the nozzle in contact with the rim of the fuel tank or container opening at all times, until refueling is complete. Do not use a nozzle lock-open device.
 - g) Replace fuel cap securely and wipe up spilled fuel.
 - h) If fuel is spilled on clothing, change clothing immediately.
5. Never attempt to make any adjustments while the engine (motor) is running (except when specifically recommended by manufacturer).
 6. Let the vehicle and accessory adjust to outdoor temperatures before using.
 7. Never use an accessory without proper guards, plates, or other safety protective devices in place
 8. Always make sure to wear the appropriate safety equipment required (glasses, muffs, mask...) for each type of product. See operation section.
 9. Always make sure of having safe traction on the vehicle by using the recommended accessories (chains, A.T.V. tracks, counterweights...). See operation section.
 10. **Never modify the accessory or any part without the written consent from the manufacturer.**



SAFETY PRECAUTIONS



OPERATION:

1. Do not put hands or feet near, under or inside rotating parts.
2. Exercise extreme caution when operating on or crossing gravel drives, walks or roads. Stay alert for hidden hazards or traffic. Do not carry passengers.
3. After striking a foreign object, stop the engine (motor), disconnect the wire from the spark plug(s) and keep wire away to prevent accidental starting. Thoroughly inspect the accessory for any damage and repair damage before restarting and using the accessory.
4. If the unit should start to vibrate abnormally, stop the engine (motor) and check immediately for the cause. Vibration is generally a warning of trouble.
5. Take all possible precautions when leaving the vehicle unattended. Disengage the power take-off, lower the attachment, place the transmission into neutral, set the parking brake, stop the engine and remove the contact key.
6. Do not run the engine indoors, except when starting the engine and for transporting in or out of the building. Do not operate or let motor run in a storage area without ventilation because gas contains carbon monoxide which is odorless, colorless and can cause death.
7. Never use the accessories across the face of slopes, go from top to bottom. Exercise extreme caution when using equipment on slopes. Do not attempt to clear a steep slope.
8. Never tolerate bystanders in the working zone. Never use an accessory in the direction of bystanders, it might throw gravel or debris that can hurt people or damage property.
9. Never operate the accessory at high transport speeds on slippery surfaces. Use care when backing up.
10. Do not carry passengers.
11. Disengage power to the accessory when it is transported or not in use.
12. Never operate the accessory without good visibility or light.

13. Keep the accessory away from heat sources or flames.

MAINTENANCE AND STORAGE

1. When cleaning, repairing or inspecting the vehicle and accessory, make certain that all moving parts have stopped. Disconnect wire from the spark plug(s) and keep wire away to prevent accidental starting.
2. Check all the bolts and components at frequent intervals to make sure that they are properly tightened.
3. Never store a motorized accessory with fuel in the fuel tank inside a building where ignition sources are present such as hot water and space heaters, clothes dryers, and the like. Allow the engine to cool before storing in any enclosure.
4. Always refer to the owner's manual when you store the accessory and vehicle for a prolonged or an unspecified length of time.
5. Maintain or replace safety and instruction labels, as necessary.
6. For winter accessories, (if applicable), let the engine run for a few minutes after clean snow in order to prevent the rotary parts from freezing.
7. Inspect the vehicle's and accessory's air filter every day. Clean it or replace it as necessary. Change the oil more often when working in dusty conditions. See the vehicle's and accessory's owner's manual.



**THIS SYMBOL MEANS
DANGER !
BECOME ALERT !
YOUR SAFETY IS INVOLVED !**



SAFETY DECALS



**REPLACE IF DECALS ARE DAMAGED
SEE PARTS BREAKDOWN FOR DECAL LOCATION**

DECAL #105126



To avoid serious injury:
Keep hands, feet & clothing away from rotating auger
while engine is running.

DECAL #105127



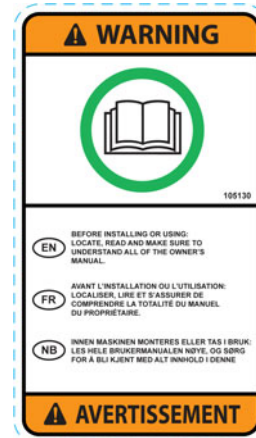
To avoid serious injury:
Keep hands out of this discharge chute while engine
is running.

DECAL #105128



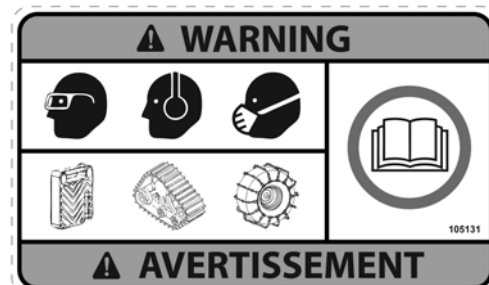
To avoid injury from drive belt:
Keep hands, feet & clothing away.
Do not attempt to install or remove drive belt without
reading owner's manual.

DECAL #105130



Before installing or using:
Locate, read and make sure to understand all of the
owner's manual.

DECAL #105131



Refer to owner's manual about wearing safety
glasses, ear muffs and mask.
Refer to owner's manual for use of counter weights,
cat tracks and tire chains.

DECAL #105133



To avoid serious injuries:
Keep hands away from the hot surface.

ASSEMBLY

IMPORTANT: TORQUE ALL BOLTS ACCORDING TO TORQUE SPECIFICATION TABLE WHEN STATED: TIGHTEN FIRMLY.

THE WINCH KIT IS TO BE USED ONLY TO LIFT BERCO ACCESSORIES, ANY OTHER USE MAY CAUSE DAMAGE TO THE VEHICLE.

This subframe may be used to install different attachments (see attachments page). Once installed, it may remain permanently on your vehicle.

NOTE:It is not necessary to remove mower deck at this step.

TOOLS REQUIRED:

Wrenches: 5/16, 7/16, 9/16, 1/2, 10mm
Ratchet
Sockets: 9/16, 1/2
Pliers
Square head screwdriver: #2
1 wrench (for the nuts on the battery posts of the vehicle)

Optional tools according to the year of the vehicle:

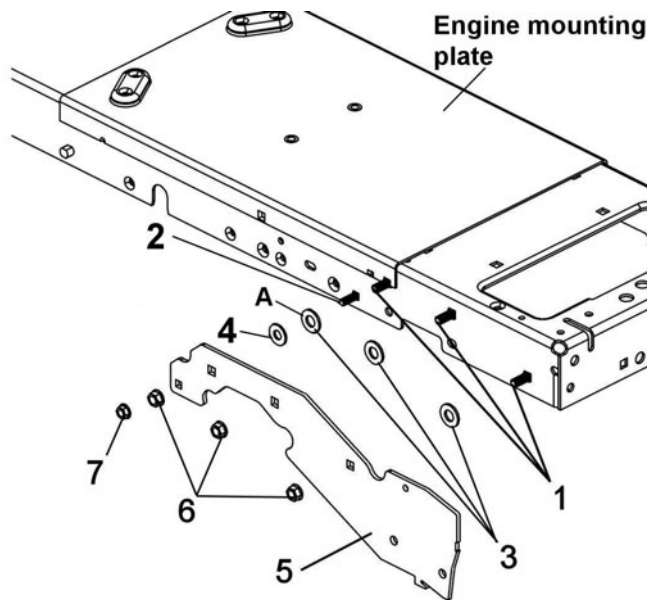
Drill
Bit: 13/32
Punch
Hammer

STEP 1

SUBFRAME INSTALLATION:

Refer to parts breakdown section for parts identification.

Install the supports (item 5) on each side of the vehicle.		
Item #	Description	Action
1	Carriage bolt, 3/8 x 1" (qty 6)	Insert as shown.
2	Carriage bolt, 5/16 x 1" (qty 2)	Insert as shown.
3	Flat washer 1/2", (qty 6)	See
4	Flat washer 7/16", (qty 2)	Insert on carriage bolt (item 2)
5	Support (qty 2)	Install on the bolts as shown.
6	Flange nut 3/8", (qty 6)	Do not tighten now.
7	Flange nut 5/16", (qty 2)	Do not tighten now.
*For tractors with a engine mounting plate use only two washers. Do not use washer A. *For tractors without an engine mounting plate use all three washers.		

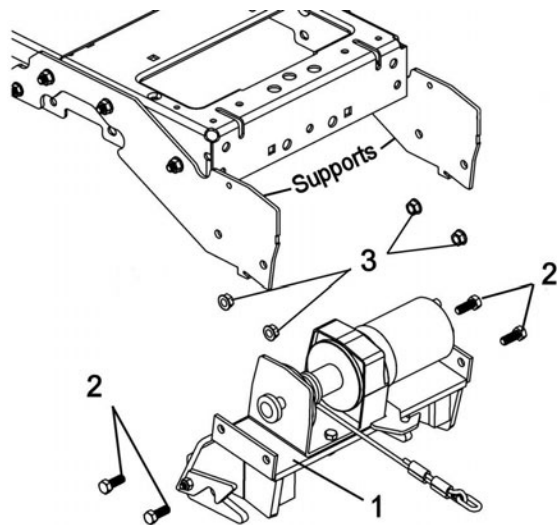


Install the supports

ASSEMBLY

Install the female hitch (item 1)

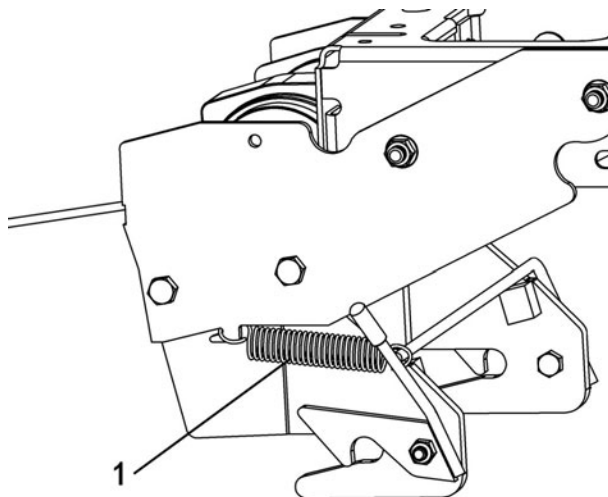
# Item	Description	Action
1	Female hitch	Install between the two supports.
2	Hex bolt 3/8 x 1" (qty 4)	Insert as shown.
3	Flange nut 3/8" (qty 4)	Tighten all the nuts firmly.



Install the female hitch between the two supports

Install the spring (item 1)

# Item	Description	Action
1	Spring	Install the spring on the frame as shown.
NOTE: The latch must move freely.		



Install the spring as shown

ASSEMBLY

NOTE: Use these same instructions for both sides of tractor.

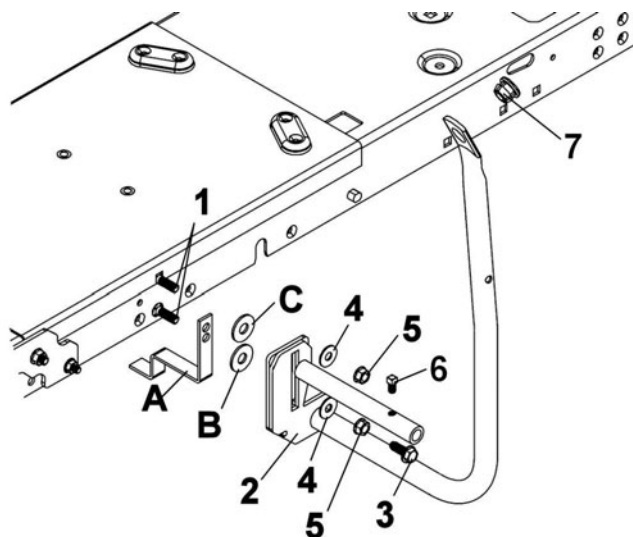
Manual Clutch: Install the new belt guides (item A) that are included with the drive mechanism on the bottom carriage bolt (item 1). Place a 1/2" flat washer (items B & C) over the belt guide and the top carriage bolt. Continue with the handle support installation.

Electric Clutch: Do not install belt guides. Place a 1/2" flat washer (item B) over the bottom carriage bolt. Continue with the handle support (left side) installation and cab support (right side).

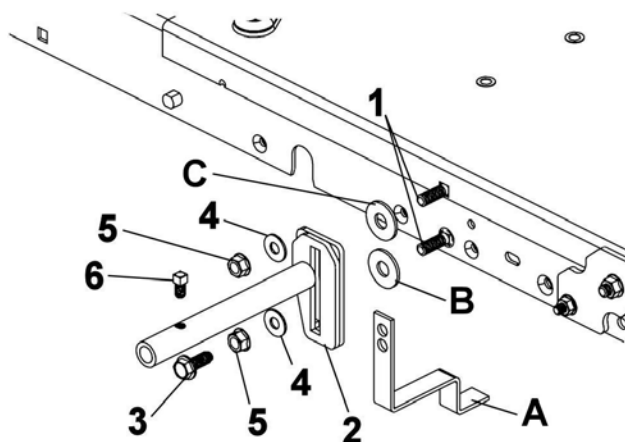
Install the handle support (item 2) on the left side and the cab support on the right side as shown.

# Item	Description	Action
1	Carriage bolt 3/8 x 1" (qty 4)	Insert the bolts as shown.
2	Handle / cab support	Install as shown.
**3	Thread cutting screw 3/8 x 1"	See **
4	Flat washer 3/8" (qty 4)	Install as shown.
5	Flange nut 3/8" (qty 4)	Tighten the nuts.
6	Square head set screw 5/16 x 1/2"	Insert in the hole of the handle.
7	Plastic grommet	Insert as shown.

** Use this screw if the bottom hole is threaded.



Install the handle support on left side

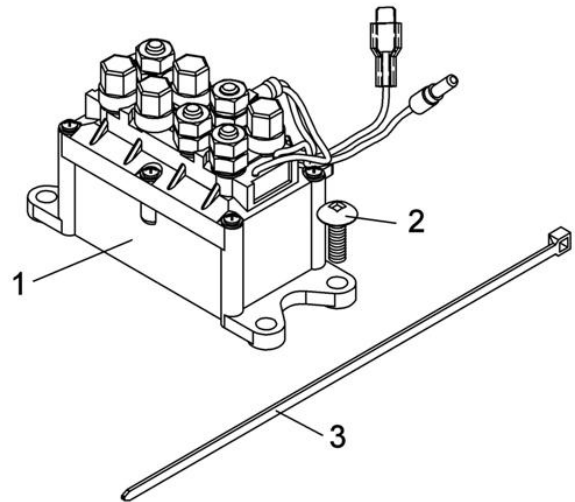


Install the cab support on right side

ASSEMBLY

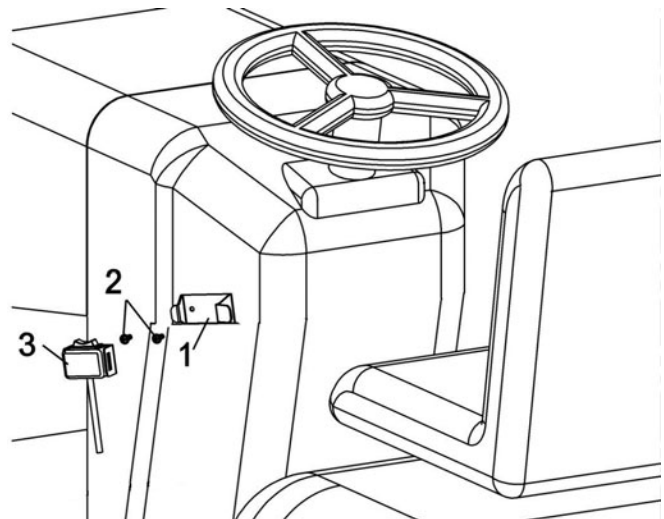
STEP 2: INSTALLATION OF THE CONTROL ASSEMBLY

Install the relay (item 1).		
# Item	Description	Action
1	Relay	Install in an appropriate area.
2	Metal screw #12 x 3/4" (qty 4)	Secure relay in place.
*3	Nylon tie wrap 8" (qty 4)	See *
*If necessary use the nylon tie wraps to secure the relay in place. ** Install in a sheltered place away from bad weather.		



Install the relay

Install the control support (item 1)		
# Item	Description	Action
1	Control support	Install in an appropriate area.
2	Metal screw #8 x 1/2" (qty 2)	Secure the support in place.
3	Winch control	Insert in the support.



Install the support and winch control

IMPORTANT

To prolong the winch cable's life, release the winch control switch as soon as the accessory touches the ground. This will keep the cable from tangling up which causes premature wear.

ASSEMBLY

CONNECTING THE WIRES

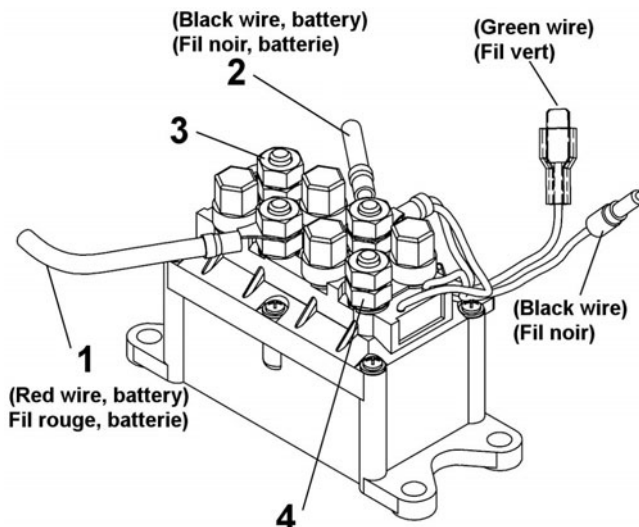
NOTE: The posts on the relay are identified by numbers. (1-2-3-4).

Install the wires from the winch on the posts of the relay.

Red wire (+) on post #3.

Black wire (-) on post #4.

Connect the red wire from the winch (limit switch) with the green wire from the relay.



Connect the wires

IDENTIFY THE IGNITION WIRE:

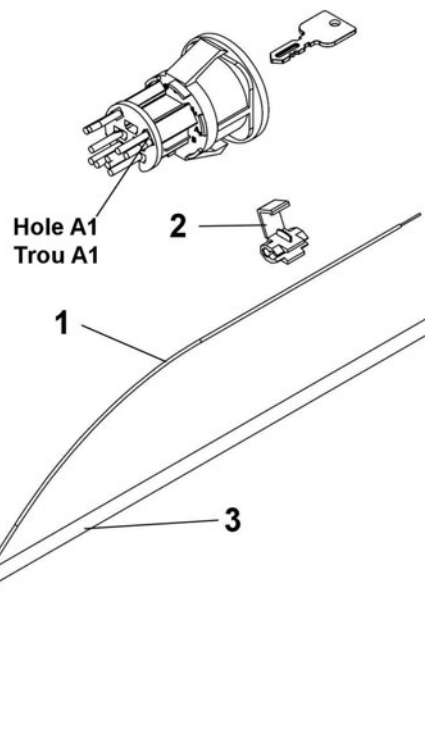
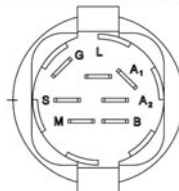
Place the clip of the Hi / Low tester on the negative post (-) on the battery or a metal surface without any paint.

Turn the ignition key to the position: Accessory.

Insert the tip of the tester in a hole at the back of the starter (switch) make sure to touch the metal part of the wire (on most tractors, it is the A1 terminal on the ignition switch that is used for accessories. Before connection, verify with HI/LOW tester).

If the tester's light turns on, turn the ignition key to the position, Off. The light must turn off. You have identified the ignition wire, if not repeat the operation on another wire.

View behind the switch
Vue derrière le commutateur



INSTALL THE CONTROL WIRE:

Join the ignition wire and the red wire from the winch control (item 1) with the instant connector (item 2).

Connect the black wire of the winch control (item 3) to the black wire on the relay.

Connect the green wire of the winch control (item 3) with the red wire of the winch (limit switch).

Connect the ignition wire

ASSEMBLY



CAUTION



FOR YOUR SECURITY:

Read and follow the safety precautions for the battery in the vehicle's manual.

CONNECT THE WIRES ON THE BATTERY:

Connect the wires from the relay to the vehicle's battery.

The red wire (+) on the positive post of the battery (item 1).

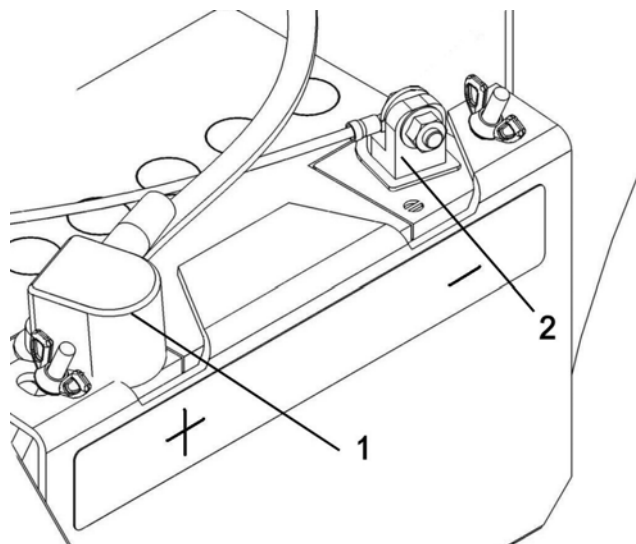
The black wire (-) on the negative post of the battery (item 2).

Make sure to tighten the nuts on the posts.

TIE ALL THE WIRES:

NOTE: Make sure the wires from the control assembly do not interfere with anything on the tractor nor come into contact with any heating, electrical or removable elements of the tractor.

Tie the wires with four nylon tie wraps included in the kit.



Connect the relay wires to the battery

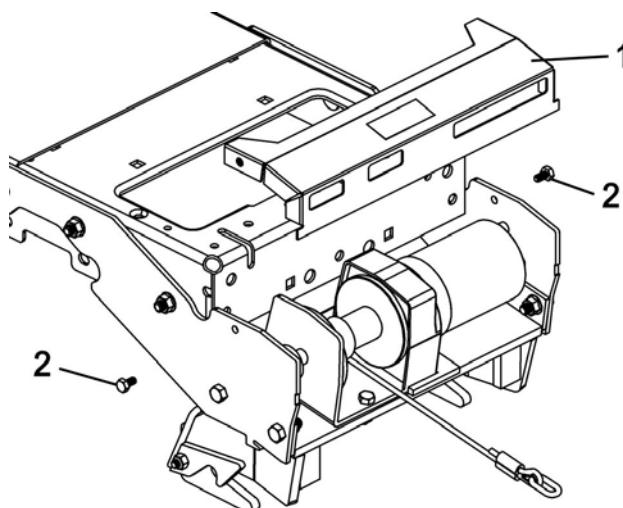
Install the heat shield (item 1).

# Item	Description	Action
1	Heat shield	Install as shown.
2	Hex bolts 1/4 x 1/2" (qty 2)	Tighten firmly.

VERY IMPORTANT:

Make sure the cable winds up and unrolls as shown in the figure (cable under the spool).

If the winch cable does not wind up from the bottom of spool as shown, the limit switch will not work and may cause damage to the subframe, winch and accessory.



Install the heat shield

ASSEMBLY

STEP 3: DRIVE MECHANISM INSTALLATION:



WARNING



TO PREVENT INJURIES:

Stop the motor.

Apply parking brake.

Remove the ignition key.

Disconnect the wire from the spark plug(s) and keep away from spark plug(s) to prevent accidental starting.

NOTE: You must remove mower deck to install the drive mechanism.

Install the support (item 2) on each side.

# Item	Description	Action
1	Carriage bolt 3/8 x 3/4" (qty 4)	Insert as shown.
2	Support (qty 2)	See*
3	Flange nut 3/8" (qty 4)	Tighten firmly.

*Choose the appropriate holes in the supports and make sure that there is no interference between the pin and the parts of the vehicle.



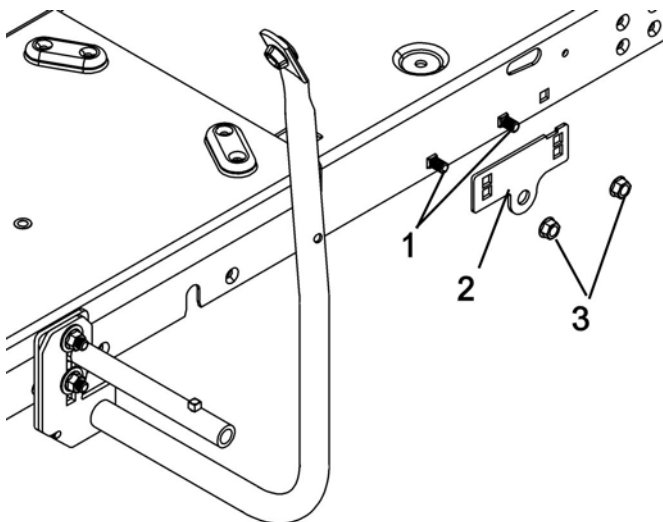
WARNING



TO PREVENT INJURIES:

It is the person who installs the drive mechanism responsibility to make sure that when the clutch is disengaged that all moving parts stop.

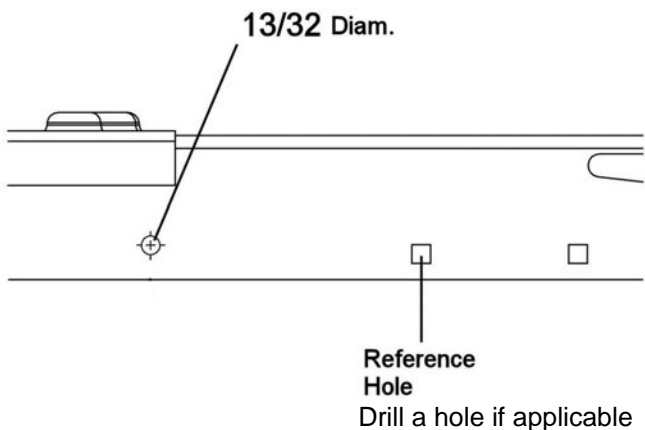
For more information, do not hesitate to contact the technical support.



Install the supports

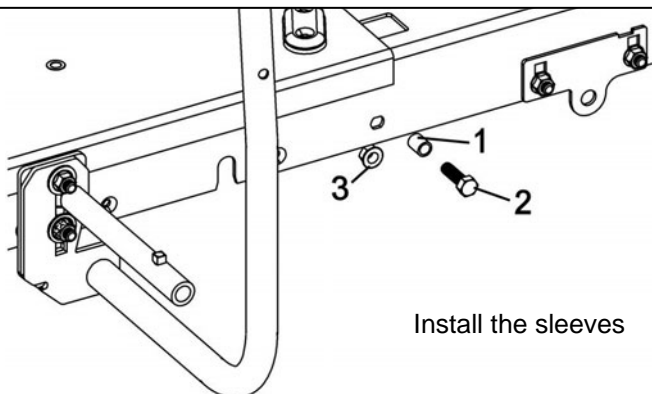
The next two instructions are for vehicles that do not have pins that are used as supports for the mower deck.

Use the drilling template to drill a hole on each side of the vehicle.



Install the sleeve (item 1) on each side.

# Item	Description	Action
1	Sleeve (qty 2)	Install as shown.
2	Hex bolt 3/8 x 1 1/4" (qty 2)	Insert in the sleeve.
3	Flange nut 3/8" (qty 2)	Tighten firmly.

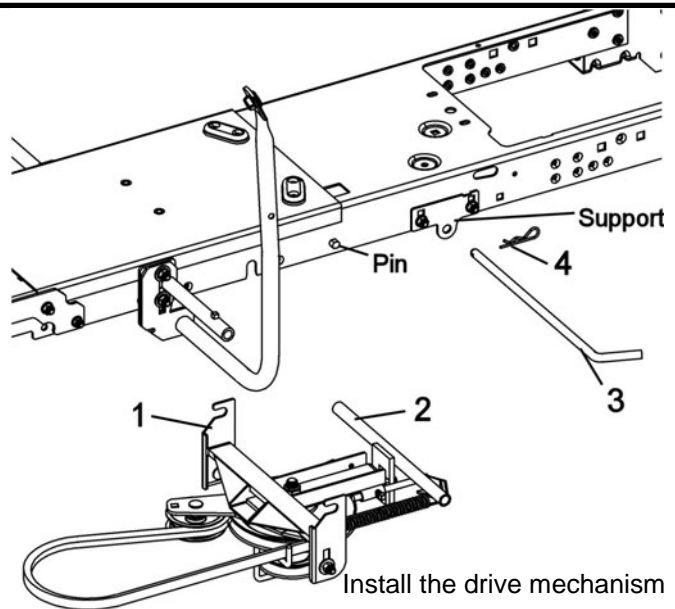


Install the sleeves

ASSEMBLY

Install the drive mechanism (item 1).

# Item	Description	Action
1	The front end of drive mechanism	Hook on the pins.
2	The back end of drive mechanism	Install between the supports.
3	Pin	Insert as shown.
4	Hair pin	Secure the pin.

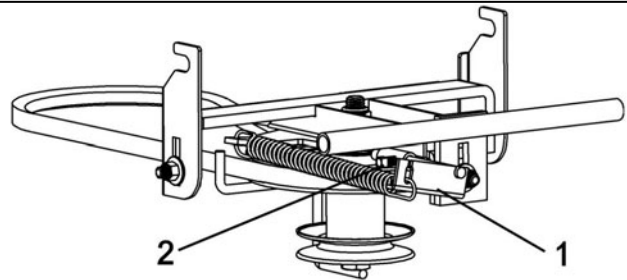


For tractors with Electric Clutch:

Install the belt on the engine pulley of the vehicle.

Check the tension on the spring.

If necessary, adjust the tension by moving the adjustment rod (item 1) and tighten the set screw (item 2).



No modifications to be done

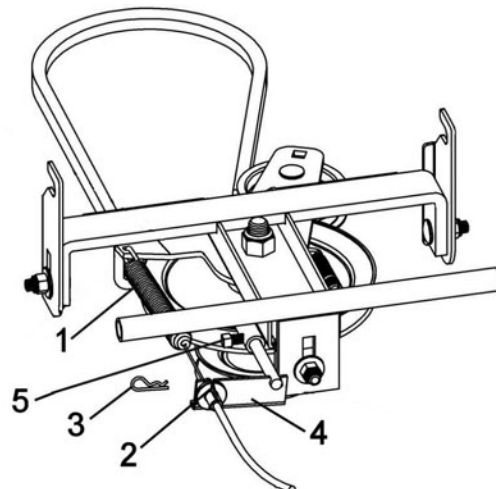
For tractors with Manual Clutch activated by a cable:

Install the tractor's manual clutch cable .

* Remove the spring.

# Item	Description	Action
1	Spring from the clutch cable	Install as shown in the hole on the tension pulley.
2	Clutch cable	Insert in the slot on the adjustment rod.
3	Hair pin 2mm	Secure the cable.
4	Adjustment rod	Slide towards the back to apply enough tension on the spring.
5	Square head set screw 5/16 x 1/2"	Secure the adjustment rod.

Install the belt on the engine pulley of the vehicle.
Check the tension on the spring.
If necessary, adjust the tension by moving the adjustment rod and tighten the set screw.



Install the manual clutch cable

ASSEMBLY

VERIFICATION OF THE BELT AND PULLEY ALIGNMENT:



WARNING



TO PREVENT INJURIES:
do this verification when the engine of the vehicle is not running.

IMPORTANT: Adjust the height of the three supports (items 1, 2 and 3) to make sure the drive mechanism pulley (item 4) is aligned with the engine pulley (item 5) more or less 1/8".

If applicable, you can remove or add a flat washer on the tension pulley (item 6) for a better adjustment.

Engage and disengage the clutch a few times and make sure the belt does not touch the belt guide in any place when the drive mechanism is engaged.

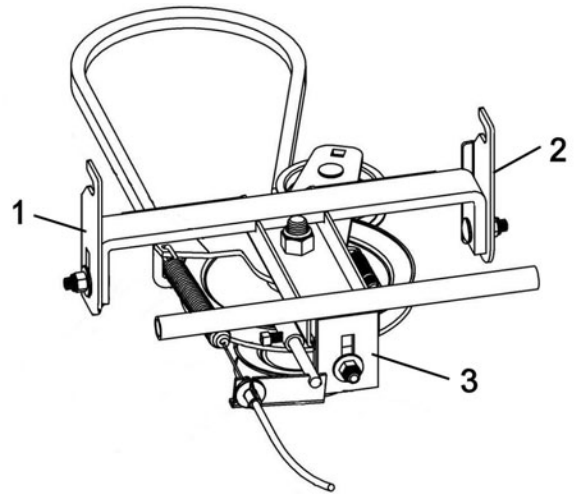


WARNING

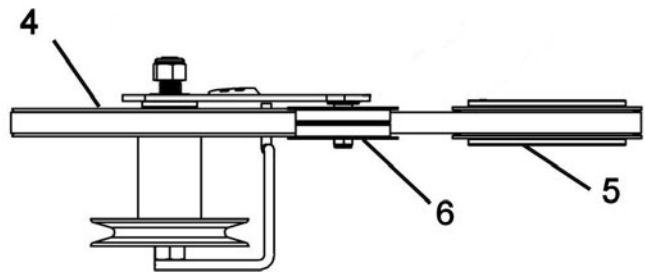


TO PREVENT INJURIES:
It is the person who installs the drive mechanism responsibility to make sure that when the clutch is disengaged that all moving parts stop.

For more information, do not hesitate to contact the technical support.

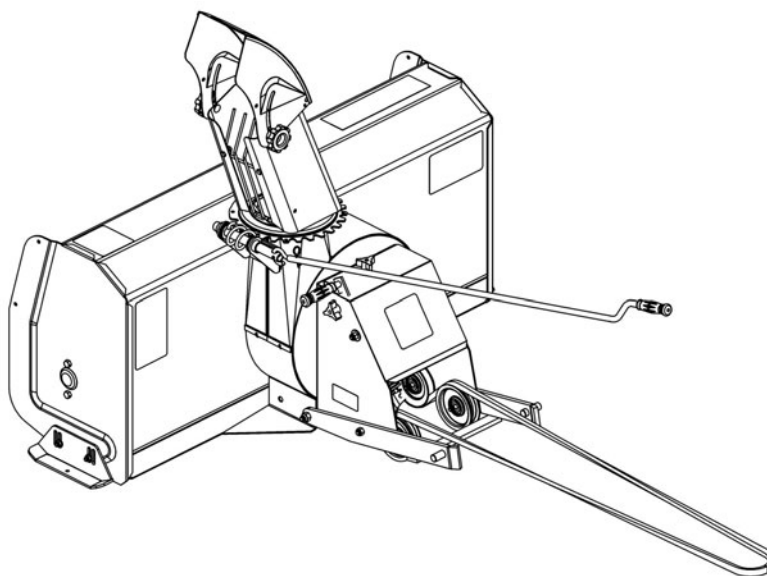


Adjust the supports



Adjust the pulleys

ASSEMBLY



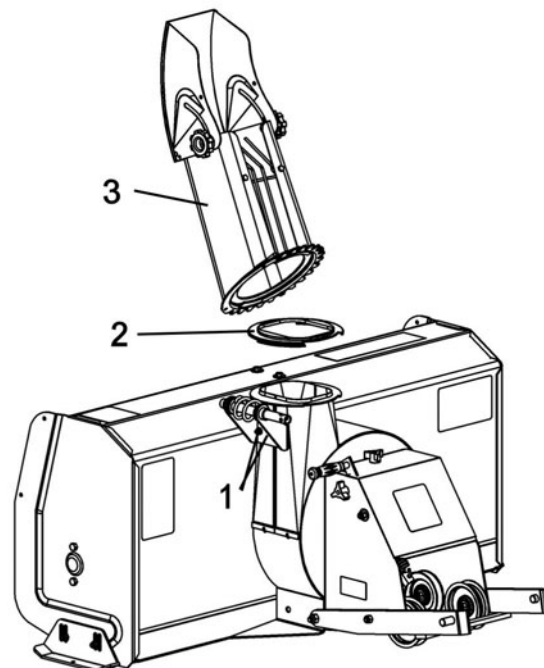
Overall view

STEP 4:

SNOWBLOWER PREPARATION:

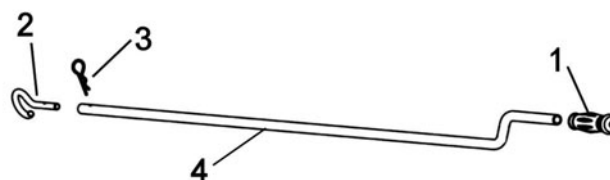
Refer to parts breakdown section for parts identification.

Install the chute (item 3).		
Item #	Description	Action
1	Flange nut (qty 2)	Loosen to last threads.
2	Rotation ring	Install over opening.
3	Chute	Place as shown, turn to lock into place.
Firmly retighten the flange nuts.		



Install chute

Prepare handle(item 4).		
Item #	Description	Action
1	Hand grip	Install on handle.
2	Hook	Install on handle.
3	Hair pin 2.5mm	Secure hook on handle.
NOTE: Store these parts safely until you install the snowblower.		



Prepare handle

INSTALLATION

STEP 5

SNOWBLOWER INSTALLATION:

You must install the subframe and drive mechanism before continuing to install the snowblower.



WARNING



TO PREVENT INJURIES:

Stop the motor.

Apply parking brake.

Remove the ignition key.

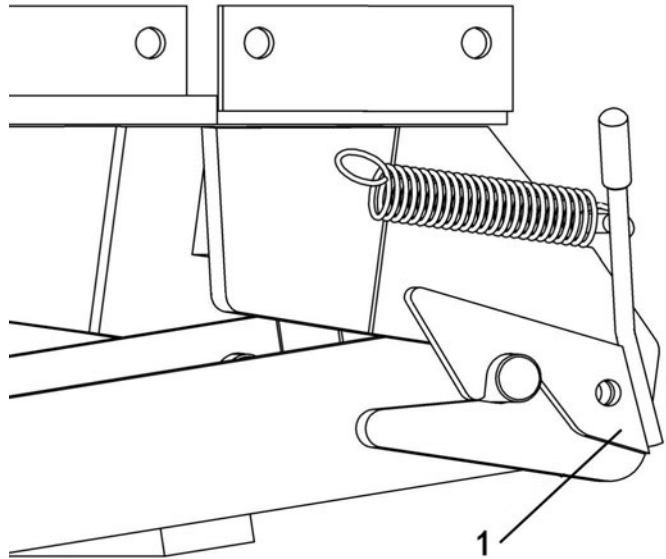
Disconnect the wire from the spark plug(s) and keep away from spark plug(s) to prevent accidental starting.

Attach the snowblower to the subframe as shown.

Make sure the snowblower is pushed in until locked into place by the lock (item 1).

Install belts.

NOTE: See the belt installation instructions in the Maintenance section.



Insert the snowblower in the lock.



CAUTION



The belt tension arm & needs to be held firmly while displacing to prevent injury.



CAUTION



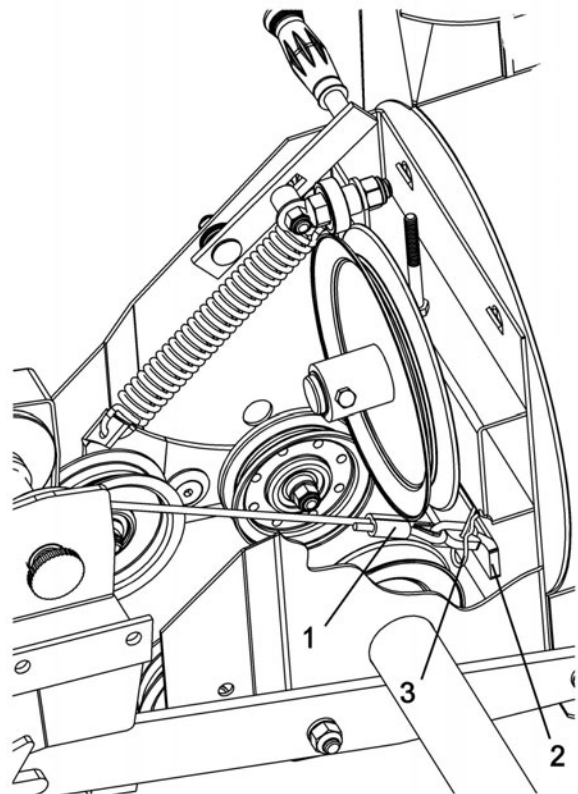
Never use the snowblower without the belt guard.

After installing the belt, hook the winch cable (item 1) to the hook (item 2) and secure with a 2.5mm hair pin (item 3).

Familiarize yourself with the winch control and make sure the cable stays wrapped from the bottom of the drum of the winch. See picture of the winch in the subframe section.

Lift and lower the snowblower using the switch.

When lowering the accessory, release the switch of the winch control as soon as the accessory touches the ground.

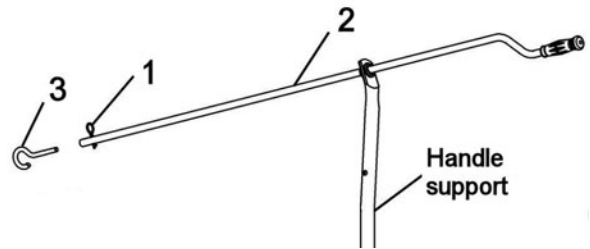


Install the cable

INSTALLATION

Install handle (item 2).

Item #	Description	Action
1	Hair pin	Remove from handle.
2	Handle	Insert in handle support.
3	Hook	Insert in handle and secure with hair pin.

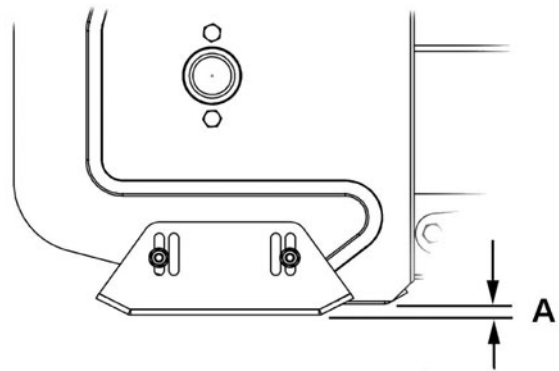


Install handle

VERIFY SKID SHOE ADJUSTMENT:

LEVEL PAVED SURFACE: Adjust skid shoes to allow 3/16" to 1/4" or 5mm to 7mm clearance (A) between cutting edge and surface.

UNEVEN OR GRAVEL SURFACE: Adjust skid shoes to allow 1/2" to 5/8" or 13mm to 16mm clearance (A) between cutting edge and surface.



Adjust skid shoes

VERIFY TIRE PRESSURE:

Check and adjust tractor tire pressure as follows:

Front tires: 14-15 psi

Back tires: 7-8 psi

Tire pressure must be even on both sides of tractor.

OPERATION



WARNING



Read the tractor Owner's Manual carefully. Be thoroughly familiar with the controls & proper use of the attachment. Know how to stop the attachment quickly.

SNOWBLOWER OPERATION

- Make sure the snowblower is clear of snow before engaging the snowblower.
- Make sure that the auger and impeller operate freely.
- Start the tractor engine.
- Before engaging the snowblower drive, always have the engine running at medium R.P.M.
- When removing snow, do not use the snowblower as a dozer blade to push snow. Allow snowblower to ingest snow at its own speed. If the speed of your tractor is too fast, the snowblower may become overloaded and plug.

IMPORTANT: USE FULL ENGINE R.P.M. WHEN REMOVING WET OR STICKY SNOW. LOW R.P.M. WILL TEND TO PLUG THE CHUTE.



WARNING



Hand contact with the rotating impeller inside the discharge chute is the most common cause of injury associated with snowblowers. Never use your hand to clean out the discharge chute.

- Do not attempt to clear plugged chute, auger or fan of snow while the snowblower's engine is running.
- Disengage snowblower.
- Lower snowblower to the ground and set parking brake.
- SHUT THE ENGINE OFF & REMOVE KEY!**
- Wait 10 seconds to be sure that all moving parts such as the impeller blades have stopped moving.
- Disconnect wire from the spark plug(s) and keep wire away to prevent accidental starting.
- Do not use hand to unplug chute use a clean-out tool of at least 36" (1 m) length.



WARNING



TO PREVENT INJURIES AND FOR MORE TRACTION WHEN USING AN ATTACHMENT:

- Rear counterweight of 100 lbs. minimum is required to counterbalance the attachment's weight.
- Manufacturer approved tire chains are required.
- Do not operate on a slope greater than 10°.
- When dismounting the attachment remove rear counterweights.
- Ear muffs and safety glasses are recommended.

CONTROLS

CHUTE ROTATION

The chute rotation handle is located to the left of steering wheel. Turning the handle in a clockwise direction, the discharge chute will turn in a clockwise direction or vice versa.

CHUTE DEFLECTOR

Set the angle of the deflector according to the distance the snow must be thrown. To change the deflector angle, loosen the two deflector knobs & adjust the deflector to the appropriate angle.

IMPORTANT:

THE WINCH KIT IS TO BE USED ONLY TO LIFT ACCESSORY, ANY OTHER USE MAY CAUSE DAMAGE TO THE VEHICLE.

IMPORTANT:

In order to avoid damage to the battery of the vehicle, always start the engine before using the winch.

THE WINCH CONTROL SWITCH

Press on the winch control switch to lift or lower the accessory to the ground.

There is a limit switch stopper that limits the lifting.

To prolong the winch cable's life, release the winch control switch as soon as the accessory touches the ground. This will keep the cable from tangling up, causing premature wear of the cable.

MAINTENANCE

Refer to parts breakdown section for parts identification.



WARNING



TO PREVENT INJURIES:

Stop the motor.
Apply parking brake.
Remove the ignition key.
Disconnect the wire from the spark plug(s) and keep away from spark plug(s) to prevent accidental starting.



CAUTION



TO PREVENT INJURIES:

- Check mounting bolts at frequent intervals for proper tightness in order to prevent costly repairs.
- Make sure your snowblower is in safe working condition.
- Provide adequate blocking before working under snowblower when in raised position.

SKID SHOE ADJUSTMENT:

LEVEL PAVED SURFACE: Adjust skid shoes to allow 3/16" to 1/4" or 5mm to 7mm clearance (A) between cutting edge and surface.

UNEVEN OR GRAVEL SURFACE: Adjust skid shoes to allow 1/2" to 5/8" or 13mm to 16mm clearance (A) between cutting edge and surface.

CUTTING EDGE MAINTENANCE

Verify from time to time the wearing on the cutting edge to make sure you do not wear out the base of the snowblower's chassis. This cutting edge is reversible.

SNOWBLOWER PULLEY REPLACEMENT or ALIGNMENT:

Clean the parts before aligning or replacing the pulley. Apply some "Loctite" 2760 on the key and the set screws. Tighten firmly. (Use heat to soften the "loctite" when removing the set screws).

LUBRICATION

Grease the wheel axles, the fork pivots after every sixteen hours of use.

Apply oil at all pivot points.

Chute Rotation System: Oil chute base, rotation worm every sixteen hours of operation.

Gear box:

Check the oil annually. If necessary, add AGMA 5 EP or SAE 90 oil.

The gear box should have a total of 155 ml of oil or filled to the rim of the bolt hole when installed on the snowblower. (see figure)

AUGERS AND FAN SHEAR BOLT REPLACEMENT

Shear bolts are to be considered a preventive measure and not an assured protection. Operator vigilance is required. Thoroughly inspect the areas where the snowblower is to be used and remove all foreign objects.

To avoid damage to the snowblower:

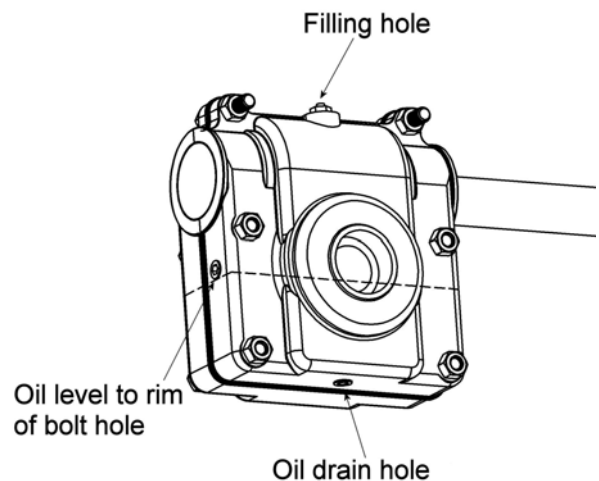
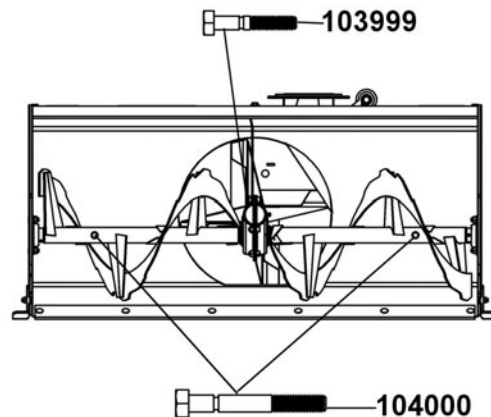
Use only the original shear bolts (grooved bolts).

#104000 in bags of 10 for the augers.

#103999 in bags of 10 for the fan.

The use of any other shear bolt will not insure any protection and may void the warranty.

IMPORTANT: IT IS VERY IMPORTANT TO REPLACE THE AUGERS IN THE SAME POSITION AS SHOWN IN THE DRAWING BEFORE INSTALLING THE SHEAR BOLTS.



MAINTENANCE

BELT INSTALLATION, ADJUSTMENT, AND REPLACEMENT:



WARNING



The belt tension arm is spring loaded & needs to be held firmly while displacing to prevent injury.

IMPORTANT:

When aligning or replacing the snowblower pulley (item 4), you must clean the parts and use "Lock-tite" 2760 on the key and the set screws. Tighten firmly.

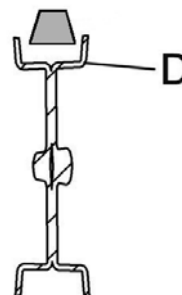
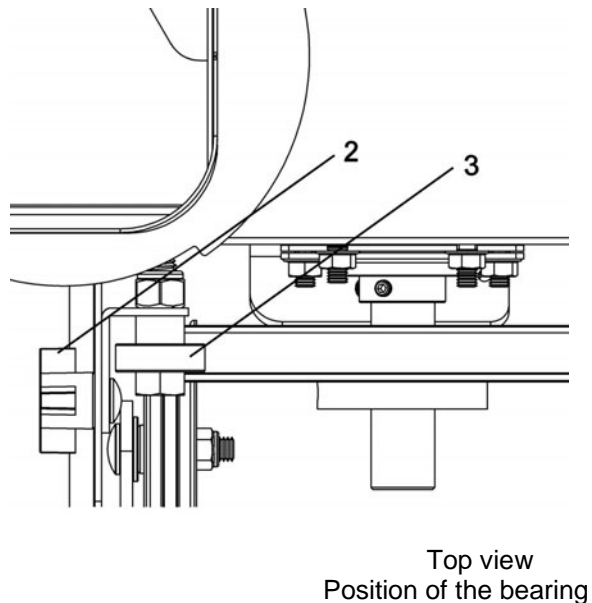
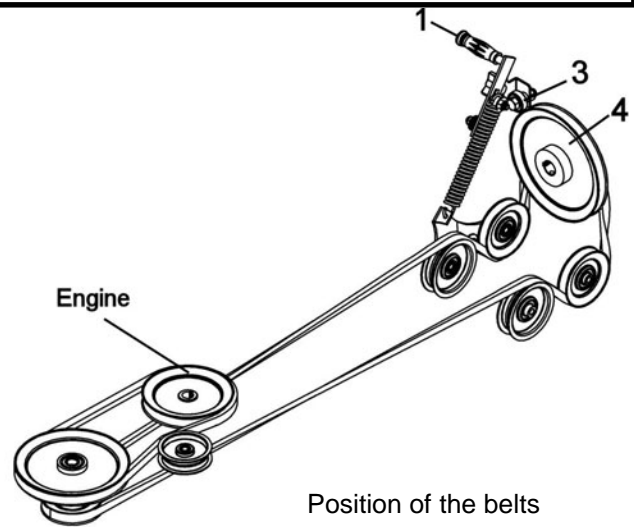
SNOWBLOWER BELT:

- Lower the snowblower to the ground.
- Remove the belt guard.
- Remove tension on the belt by lowering the tension arm (item 1)
- Loosen the knob (item 2) on the bracket that holds the bearing (item 3).
- Install the belt as shown.
- Adjust the bracket by pushing on the bearing (item 3) to apply a slight pressure on the back of the belt (just enough to hold the belt in place). It is normal that the bearing is off centre (towards the vehicle) on the pulley. Just make sure that it does not come into contact with the wall of the pulley.
- Tighten firmly with the knob.
- Apply tension on the belt by pulling up the tension arm (item 1).
- Engage the snowblower for a few seconds under supervision. Stop the engine. Inspect the belt to make sure it does not interfere with any parts; that it is well inserted in the pulleys and that it has not flipped on it's side while still on the pulleys. The V of the belt **must be in** the V of the pulleys. The back of the belt **must rest on** the flat pulleys (D) as shown.
- Reinstall the belt guard.
- Use genuine belts only, they are specifically fabricated for this application.

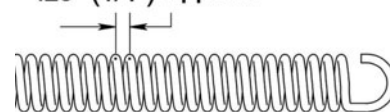
NOTE: There must be a good tension on the belt at all times. If spring is damaged or stretched, you must replace it.

DRIVE MECHANISM BELT:

- Dismount the drive mechanism.
- Remove the bolt which retains the tension pulley.
- Replace the belt and re-install the tension pulley. Before tightening make sure the belt guide does not touch the belt at any time.
- Re-install the drive mechanism.
- Check the alignment of the belt that joins the drive mechanism to the engine pulley.



.25" (1/4") approx.



Distance between coils

REPLACEMENT OF ONE OR TWO SECTIONS OF THE AUGER AND / OR GEAR BOX

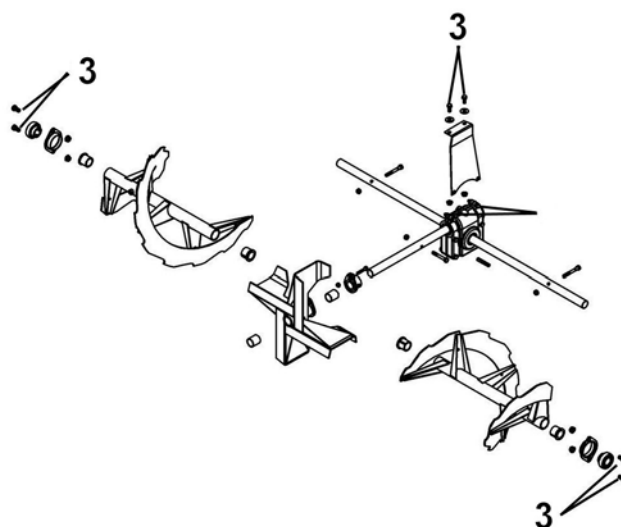
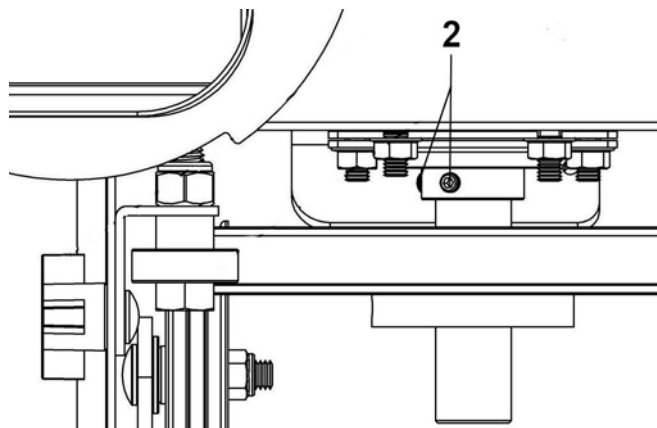
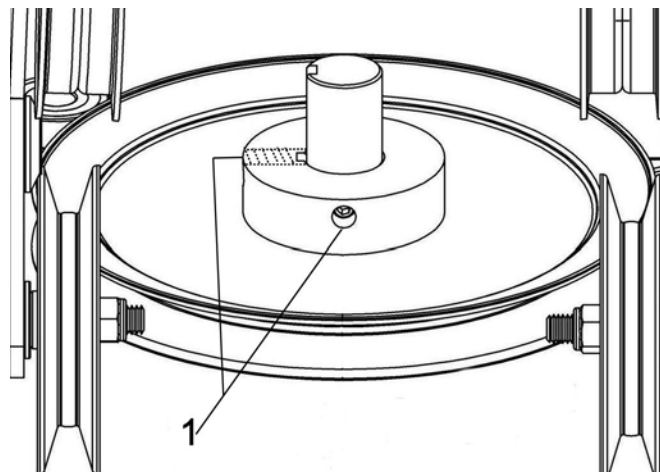
For belt part numbers, refer to snowblower parts breakdown section for parts identification

Snowblower must be detached & disconnected from the tractor to replace the auger or the gear box.

- a) Remove the belt guard.
- b) Remove the belt. See manual.
- c) Turn the snowblower face down (optional).
- d) Loosen the 2 set screws (item 1) on the pulley (it may be necessary to heat the set screw and center of pulley to soften the "loctite").
- e) Remove the pulley.
- f) Loosen the 2 set screws (item 2) on the bearing behind the snowblower (it may be necessary to heat the set screw to soften the "loctite").
- g) Remove all the bolts (item 3) and the nuts that support the gear box and its support.
- h) Remove the assembly (gear box, its support, the fan and augers) from the snowblower and save the nylon bushings and bearings.
- i) Replace the appropriate parts. Insert the shaft and the key into the new gear box (if required).
- j) Install the new auger or augers on their respective side in the position shown with the same nylon bushings on the shaft of the new gear box as shown.
- k) Re-install parts by repeating steps backwards.

IMPORTANT: You must clean the parts and apply some "Loctite" 2760 on the key of the pulley and the set screws of the bearing and pulley. Tighten firmly.

Follow the instructions in the belt replacement and adjustments sections.



DISMOUNTING & STORAGE

SNOWBLOWER DISMOUNTING



CAUTION



The belt tension is spring loaded & needs to be held firmly while displacing to prevent injury.

- a) Remove the hair pin and the handle from the chute rotation.
- b) Remove the belt guard.
- c) Unhook the winch cable from the snowblower.
- d) Release the tension on the belt by displacing the tension arm backwards. Remove the belt from the engine pulley under the tractor.
- e) Remove the snowblower by activating the latch of the female hitch.
- f) Reinstall the belt guard.



WARNING



Never use the snowblower without the belt guard.

DRIVE MECHANISM DISMOUNTING

- a) Dismount the attachment.
- b) Remove the rear counterweight when you remove the front attachment (if applicable).
- c) Remove the belt from the engine pulley.
- d) Dismount the drive mechanism by supporting it in hand. Carefully lower to the ground.
Manual clutch activated by cable:
Unhook cable shield by removing the hair pin. Unhook spring. Pull out drive mechanism from underneath tractor.
- e) You may leave the subframe on tractor all year long or remove it if preferred.
- f) Reinstall mower if needed.

STORAGE

- a) Clean snowblower thoroughly and repaint all parts from which paint has worn.
- b) List the replacement parts that will be needed to be replaced before the next season.
- c) Follow the instructions in the Lubrication section.
- d) Store the snowblower in a dry place.

TROUBLESHOOTING

* Please refer to parts breakdown section for parts identification.

PROBLEM	POSSIBLE CAUSES	CORRECTIVE ACTION
One section or both sections of the auger stops turning.	Shear bolts are probably broken.	Replace shear bolts.
Fan stops turning.	Shear bolt is probably broken.	Replace shear bolts.
Snowblower stops turning.	One of the two belts is probably damaged or broken.	Check both belts and replace damaged belt(s).
Belt snapping, shredding or burning	Lack of tension on belt.	Adjust manual clutch cable or replace springs if stretched.
	Snowblower engaged when plugged.	Make sure the auger & the fan are not frozen or plugged before engaging.
	Not original belts.	Always use original belts.
	Worn belt. Belt may be worn causing a slack.	Inspect the belt. Replace if required.
	Not original shear bolts.	Use original shear bolts
	Imperfections in pulleys.	Verify if the pulleys are damaged. Verify that pulleys are smooth, without rust spots. Sand down the pulleys or replace them.
	Interference.	Make sure that belt does not come into contact with any other part, bolts, guides etc... when engaged.
	Belt has flipped on its side.	When installing new belt, have snowblower run between 20 to 40 seconds. Turn everything off and verify that belt has not turned on its side. If so, remove belt and re-install in opposite fashion to rectify the bad twist the belt has taken.
Chute plugs easily.	Tractor engine turning too slowly.	Run engine at full throttle during snowblowing operation.
	Advancing too quickly with tractor.	Allow snowblower to ingest snow at its own speed.
Chute rotation is difficult.	Dirt or ice may be underneath chute.	Dismount chute. Clean the base of chute and the rotation ring. Lubricate & re-install.
Snowblower digs into ground.	Ground is not frozen or too soft.	Adjust skid shoes lower so they may better support the snowblower. If problem persists, change skid shoes for heavy duty skid shoes (option #700243) which cover more surface and prevents snowblower from digging.

TROUBLESHOOTING

* Please refer to parts breakdown section for parts identification.

PROBLEM	POSSIBLE CAUSES	CORRECTIVE ACTION
Snowblower does not raise evenly.	Tire pressure uneven from one side to another.	Verify and adjust tire pressure: Front tires: 14 to 15 psi Rear tires: 7 to 8 psi
Snowblower vibrates or is abnormally noisy.	Damaged pulley.	Replace pulley.
	Damaged bearing.	Replace bearing.
	Damaged fan.	Dismount & repair or replace fan.
	Damaged auger.	Replace auger.

* Please refer to parts breakdown section in subframe manual for parts identification.

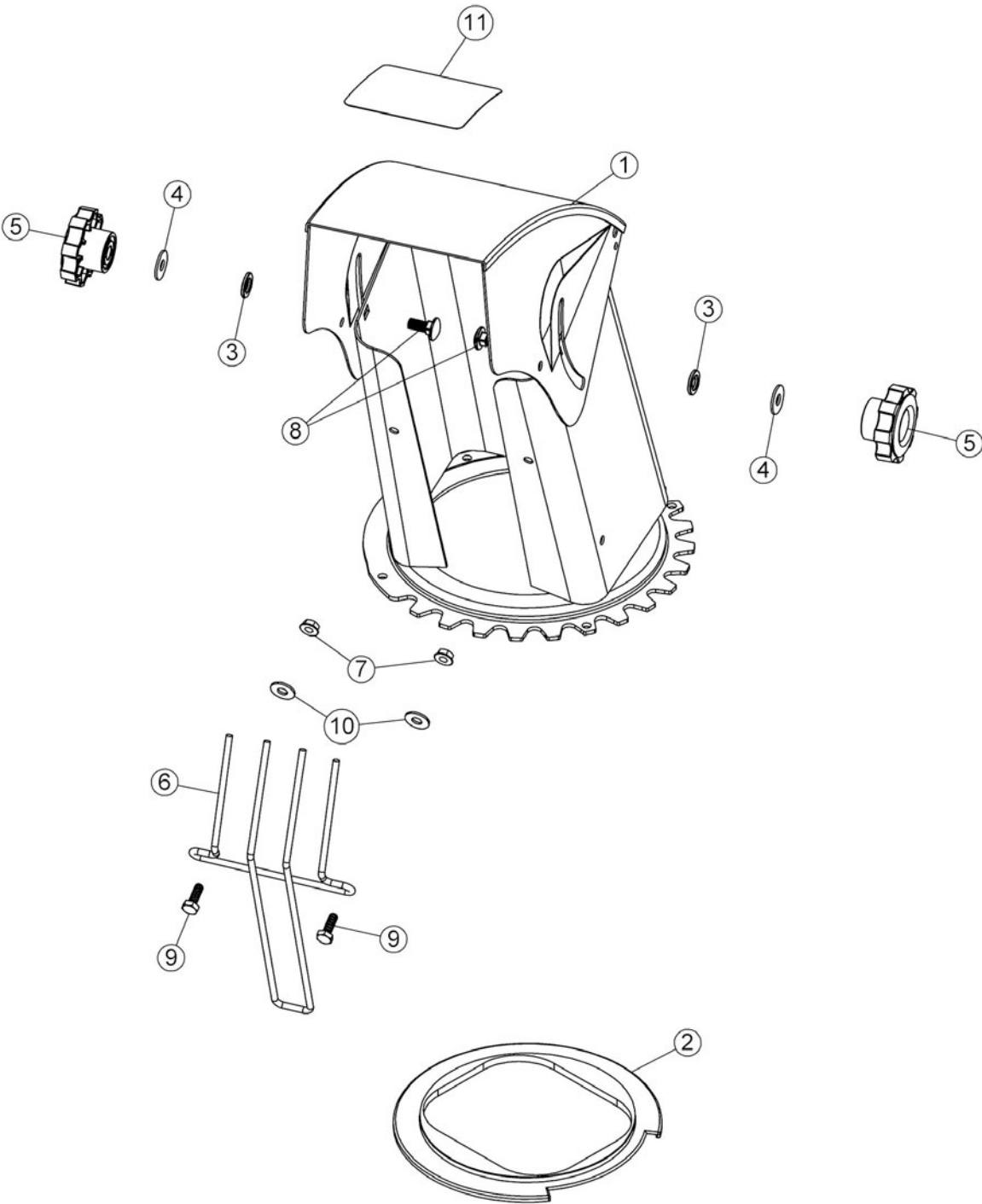
PROBLEM	POSSIBLE CAUSES	CORRECTIVE ACTION
Winch runs backwards.	Winch wires reversed.	Recheck wiring.
	Switch wires reversed.	Recheck wiring.
	Switch installed incorrectly.	Check switch installation.
	Battery wires reversed.	Recheck wiring.
	Winch cable is not winded up from the bottom of spool.	Wind winch cable from underneath.
Winch will not operate or runs in one direction only.	Vehicle's ignition switch is at OFF position.	Turn vehicle's ignition switch at ON position.
	Broken wires or bad connection.	Check for poor connections.
	Control switch is inoperative.	Replace control switch.
	Relay or breaker is damaged.	Replace the relay or breaker.
	Limit switch is damaged.	Replace limit switch.
	Winch is damaged.	Replace or repair winch.
Winch runs but with insufficient power or line speed.	Weak battery.	Recharge or replace battery. Check charging system
	Poor battery connection.	Check battery terminals for corrosion. Clean when required.
	Winch is damaged.	Replace or repair winch.

TROUBLESHOOTING

* Please refer to parts breakdown section in subframe manual for parts identification.

HOW TO KNOW	POINTS TO CHECK
Poor connections.	Recheck wiring with the owner's manual.
HI/LOW voltage tester does not work.	Connect it on battery posts (+ and -) of a functional battery. If there is no light, the tester is damaged.
The control switch inoperative.	Test both connectors with HI/LOW voltage tester. If light comes ON in both positions (IN & OUT), the switch is operative.
Relay is damaged	When it is working, there is a "CLICK" sound when the control switch is activated. Check connections with HI / LOW voltage tester.
Winch is damaged	The ultimate test is to connect the winch directly to the battery and reverse the wires to test both directions. If the winch doesn't work, it is damaged.
The limit switch is damaged.	When the limit switch is pushed or stuck inside, the winch can't raise the accessory, only lower it. If not replace it.
The breaker is damaged.	Check the voltage on both terminals on the breaker with the HI / LOW voltage tester. If not replace.

PARTS BREAKDOWN CHUTE



PARTS LIST

CHUTE WITH ROTATION SYSTEM

Ref. Réf.	English description	Description française	Qty. Qté.	Part # Pièce #
1	Chute	Goulotte	1	103936
2	Rotation ring	Anneau de rotation	1	103943
3	Nylon flat washer 7/16"	Rondelle plate de nylon 7/16"	2	102011
4	Nylon flat washer 11/32"	Rondelle plate de nylon 11/32"	2	102009
5	Knob	Bouton	2	102020
6	Hand guard	Fourche protectrice	1	102012
7	Flange nut 1/4" n.c.	Écrou à bride 1/4" n.c.	2	O/L
8	Carriage bolt 5/16" n.c. x 3/4"	Boulon à carrosserie 5/16" n.c. x 3/4"	2	O/L
9	Hex. bolt 1/4" n.c. x 3/4"	Boulon hex. 1/4" n.c. x 3/4"	2	O/L
10	Flat washer 5/16" hole	Rondelle plate 5/16" trou	2	O/L
11	Danger decal chute	Décalque danger goulotte	1	105127

O/L = Obtain Locally

This exploded view diagram illustrates the assembly of a 2007Z74 lawnmower. The central component is the main body (1), which features a deck (69) and a front wheel (38). The deck is supported by a frame (56) and includes a cutting blade (6) and a blade guard (7). The front wheel is connected to a steering mechanism (33) and a suspension system (34, 35, 36, 37, 38). The rear of the mower is equipped with a rear wheel (16) and a drive shaft (12). The deck is also fitted with a cutting blade (6) and a blade guard (7). The diagram shows the relationship between various parts, including the engine (26), fuel tank (27), and various fasteners (5, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71).

PARTS LIST SNOWBLOWER

Ref. Réf.	English description	Description française	Qty. Qté.	Part # Pièce #
1	Frame 44"	Châssis 44"	1	104851
2	Shear plate	Plaque de cisaillement	1	103933
3	Fan	Éventail	1	103932
4	Flangette	Flangette	2	102213
5	Bearing with set screw	Roulement à billes avec vis à pression	3	102755
6	Auger 44" left	Vis 44" gauche	1	104760
7	Auger 44" right	Vis 44" droite	1	104761
8	Cutting edge 44"	Racloir 44"	1	102101
9	Flangette	Flangette	2	102680
10	Shear bolt / N.I.L.N. (auger) pkg-10	Boulon de séc. / É.G.N. (vis) pqt-10	2	104000
11	Worm supports	Supports de spirale	1	105755
12	Male hitch	Attache mâle	1	104853
13	Flange washer	Rondelle à bride	1	102081
14	Special washer	Rondelle plate spécial	1	103042
15	Tension lever	Levier de tension	1	104854
16	Flat pulley	Poulie plate	2	102765
17	Sleeve	Douille	2	103939
18	V pulley	Poulie en V	2	102766
19	Tension arm	Bras de tension	1	103026
20	Handgrip	Poignée	2	102062
21	Sleeve	Douille	1	103028
22	V pulley	Poulie en V	1	103740
23	Spring	Ressort	1	102861

O/L = Obtain Locally

PARTS LIST SNOWBLOWER

Ref. Réf.	English description	Description française	Qty. Qté.	Part # Pièce #
24	Belt guard	Garde-courroie	1	104855
25	Knob	Bouton	2	103027
26	Gear box support	Support de boîte d'engrenage	1	104746
27	Oil lite bushing	Coussinet imprégné d'huile	2	102784
28	Shear bolt / N.I.L.N. (fan) pkg-10	Boulon de séc./ É.G.N. (éven.) pqt-10	1	103999
29	Belt guard support	Support de garde-courroie	1	103990
30	Key 1/4" x 1/4" x 2"	Clé 1/4" x 1/4" x 2"	2	102922
31	Shaft 44"	Arbre 44"	1	104720
32	Rotation bushing	Coussinet de rotation	4	4165805
33	Skid shoe	Patin	2	103188
34	Rotation bushing	Coussinet de rotation	2	103945
35	Rotation worm	Spirale de rotation	1	102005
36	Handle hook	Crochet de manivelle	1	102006
37	Handle	Manivelle	1	102061
38	Hair pin 2.5mm	Goupille à ressort 2.5mm	2	102013
39	Bracket	Fixation	1	104734
40	Bushing	Coussinet	1	102225
41	Bearing	Roulement à billes	1	104624
42	Gear box left rotation	Boîte d'engrenage rotation gauche	1	104718
43	Hex. bolt 5/16" n.c. x 3/4"	Boulon hex. 5/16" n.c. x 3/4"	2	O/L
44	Hex. bolt 5/16" n.c. x 2 1/4" GR8	Boulon hex. 5/16" n.c. x 2 1/4" GR8	1	O/L
45	Hex. bolt 3/8" n.c. x 3/4"	Boulon hex. 3/8" n.c. x 3/4"	4	O/L
46	Hex. bolt 3/8" n.c. x 2 1/2"	Boulon hex 3/8" n.c. x 2 1/2"	2	O/L

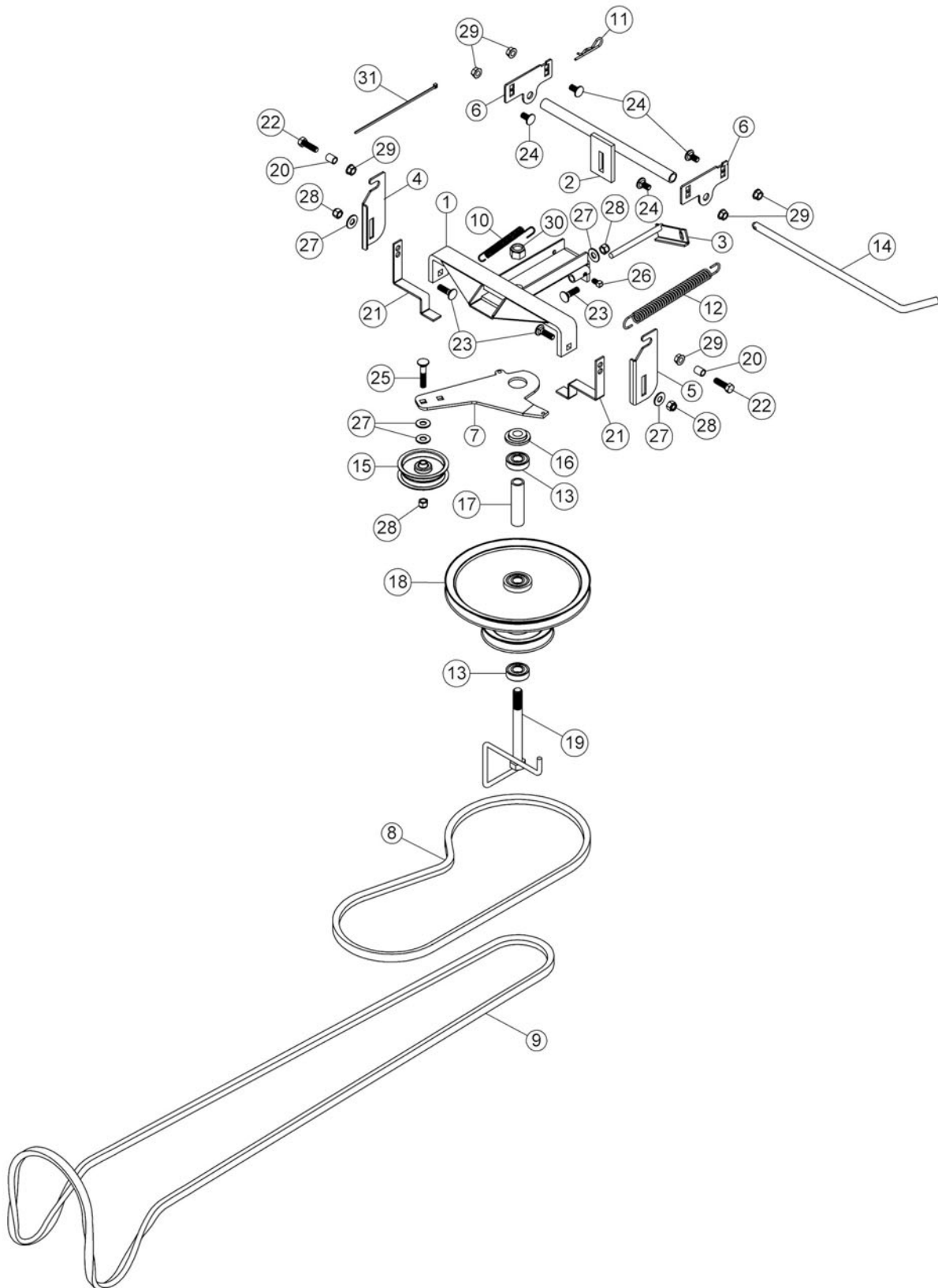
O/L = Obtain Locally

PARTS LIST SNOWBLOWER

Ref. Réf.	English description	Description française	Qty. Qté.	Part # Pièce #
47	Hex. bolt 7/16" n.c. x 1 1/4"	Boulon hex. 7/16" n.c. x 1 1/4"	2	O/L
48	Hex. bolt 1/2" n.c. x 1 3/4"	Boulon hex. 1/2" n.c. x 1 3/4"	1	O/L
49	Carriage bolt 1/4" n.c. x 1"	Boulon à carrosserie 1/4" n.c. x 1"	2	O/L
50	Carriage bolt 5/16" n.c. x 3/4"	Boulon à carrosserie 5/16" n.c. x 3/4"	15	O/L
51	Carriage bolt 3/8" n.c. x 1 1/4"	Boulon à carrosserie 3/8" n.c. x 1 1/4"	1	O/L
52	Carriage bolt 3/8" n.c. x 1 3/4"	Boulon à carrosserie 3/8" n.c. x 1 3/4"	2	O/L
53	Carriage bolt 3/8" n.c. x 1-1/2"	Boulon à carrosserie 3/8" n.c. x 1 1/2"	1	O/L
54	Hex socket f.h. cap screw 3/8" n.c. x 1-3/4"	Vis à pression hex. t.p. 3/8" n.c. x 1-3/4"	1	O/L
55	Hex. socket set screw 5/16" n.c. x 5/16"	Vis à pression hex. 5/16" n.c. x 5/16"	2	O/L
56	Stover lock nut 5/16" n.c.	Écrou de blocage 5/16" n.c.	6	O/L
57	Flange nut 1/4" n.c.	Écrou à bride 1/4" n.c.	2	O/L
58	Flange nut 5/16" n.c.	Écrou à bride 5/16" n.c.	10	O/L
59	Flange nut 3/8" n.c.	Écrou à bride 3/8" n.c.	4	O/L
60	Nylon insert lock nut 5/16" n.c.	Écrou à garniture de nylon 5/16" n.c.	1	O/L
61	Nylon insert lock nut 7/16" n.c.	Écrou à garniture de nylon 7/16" n.c.	2	O/L
62	Nylon insert lock nut 3/8" n.c.	Écrou à garniture de nylon 3/8" n.c.	7	O/L
63	Nylon Insert lock Nut 1/2" n.c.	Écrou à garniture de nylon 1/2" n.c.	1	O/L
64	Flat washer 7/16" hole	Rondelle plate 7/16" trou	11	O/L
65	Flat washer 3/8" hole	Rondelle plate 3/8" trou	3	O/L
66	Decal danger auger	Decalque danger vis	1	105126
67	Decal danger belts	Decalque danger courroies	1	105128
68	Decal read instructions	Decalque lire instructions	1	105130
69	Decal warning safety	Decalque avertissement sécurité	1	105131
70	Berco decal	Décalque Berco	1	102471
71	Serial number	Numéro de série	1	REF

O/L = Obtain Locally

PARTS BREAKDOWN NORTHEAST DRIVE MECHANISM



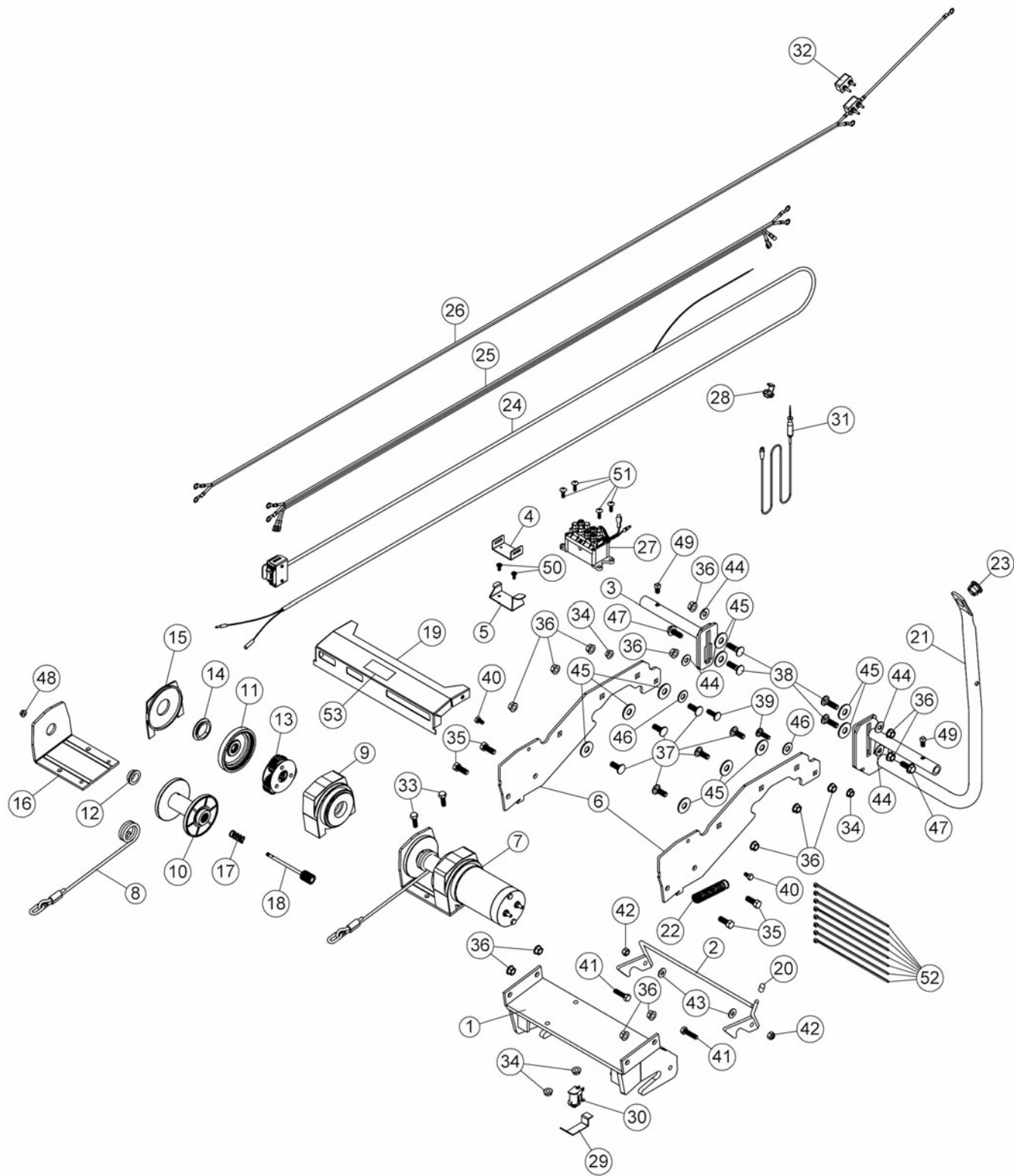
PARTS LIST

NORTHEAST DRIVE MECHANISM

Ref. Réf.	English description	Description française	Qty. Qté.	Part # Pièce #
1	Drive frame	Châssis d'entraînement	1	104838
2	Drive frame support	Support du châssis d'entraînement	1	104840
3	Adjustment rod	Tige d'ajustement	1	104841
4	Right support	Support droit	1	104842
5	Left support	Support gauche	1	104843
6	Support	Support	2	104844
7	Idler arm	Bras de tension	1	104845
8	V-Belt , A-56	Courroie en V , A-56	1	104848
9	V-Belt , B-124	Courroie en V , B-124	1	102484
10	Spring 1/2"	Ressort 1/2"	1	102003
11	Hair pin 3mm	Goupille à ressort 3mm	1	102617
12	Spring	Ressort	1	102304
13	Ball bearing	Roulement à billes	2	102736
14	Pin	Goupille	1	102754
15	Flat pulley	Poulie plate	1	102839
16	Flange washer	Rondelle à bride	1	102969
17	Sleeve	Douille	1	103035
18	Double pulley inc. 102736 & 103035	Poulie double inc. 102736 & 103035	1	103040
19	Belt guide	Guide-courroie	1	104043
20	Sleeve	Douille	2	104874
21	Belt guide	Guide-courroie	2	105601
22	Hex. bolt 3/8" n.c. x 1 1/4"	Boulon hex. 3/8" n.c. x 1 1/4"	2	O/L
23	Carriage bolt 3/8" n.c. x 1 1/4"	Boulon à carrosserie 3/8" n.c. x 1 1/4"	3	O/L
24	Carriage bolt 3/8" n.c. x 3/4"	Boulon à carrosserie 3/8" n.c. x 3/4"	4	O/L
25	Carriage bolt 3/8" n.c. x 2"	Boulon à carrosserie 3/8" n.c. x 2"	1	O/L
26	Square head set screw 5/16" n.c. x 1/2"	Vis à pression à tête carrée 5/16" n.c. x 1/2"	1	O/L
27	Flat washer 7/16" hole	Rondelle plate 7/16" trou	5	O/L
28	Nylon insert lock nut 3/8" n.c.	Écrou à garniture de nylon 3/8" n.c.	4	O/L
29	Flange nut 3/8" n.c.	Écrou à bride 3/8" n.c.	6	O/L
30	Nylon insert lock nut 5/8" n.c.	Écrou à garniture de nylon 5/8" n.c.	1	O/L
31	Tie wrap 8"	Attache de nylon 8"	1	O/L

O/L = Obtain Locally

**PARTS BREAKDOWN
SUBFRAME**



PARTS LIST SUBFRAME

Ref. Réf.	English description	Description française	Qty. Qté.	Part # Pièce #
1	Female hitch	Attache femelle	1	104817
2	Latch	Loquet	1	104818
3	Cab support	Support de cabine	1	104819
4	Control base	Base du contrôle	1	104820
5	Control support	Support du contrôle	1	104821
6	Support	Support	2	104822
7	Winch assembly	Treuil assemblé	1	105247
8	Winch cable	Cable du treuil	1	104827
9	Reduction box	Boîte de réduction	1	105237
10	Drum	Tambour	1	105238
11	Inner gear	Engrenage intérieur	1	105239
12	Bushing	Coussinet	1	105240
13	Planetary gear	Engrenage planétaire	1	105241
14	Drum support bushing	Coussinet du support de tambour	1	105242
15	Drum support plate	Plaque de support du tambour	1	105243
16	Base plate assembly	Plaque de base assemblée	1	105244
17	Spring	Ressort	1	105245
18	Spline shaft	Arbre à cannelures	1	105246
19	Heat shield	Pare-chaleur	1	104824
20	Handgrip	Poignée	1	104825
21	Handle support	Support de manivelle	1	104826
22	Spring	Ressort	1	103566
23	Plastic grommet	Oeillet de plastique	1	102063
24	Winch control	Contrôle du treuil	1	104829
25	Wire assembly	Fil assemblé	1	105256
26	Wire assembly	Fil assemblé	1	104831

O/L = Obtain Locally

PARTS LIST SUBFRAME

Ref. Réf.	English description	Description française	Qty. Qté.	Part # Pièce #
27	Relay	Relais	1	105257
28	Instant connector	Connecteur instantané	1	105152
29	Push plate	Plaque de poussée	1	105150
30	Limit switch	Commutateur de fin de course	1	105136
31	Hi/low voltage tester	Testeur de haute/basse tension	1	105151
32	Breaker	Disjoncteur	1	105219
33	Hex. bolt 5/16" n.c. x 1"	Boulon hex. 5/16" n.c. x 1"	2	O/L
34	Flange nut 5/16" n.c.	Écrou à bride 5/16" n.c.	4	O/L
35	Hex. bolt 3/8" n.c. x 1"	Boulon hex. 3/8" n.c. x 1"	4	O/L
36	Flange nut 3/8" n.c.	Écrou à bride 3/8" n.c.	14	O/L
37	Carriage bolt 3/8" n.c. x 1"	Boulon à carrosserie 3/8" n.c. x 1"	6	O/L
38	Carriage bolt 3/8" n.c. x 1 1/4"	Boulon à carrosserie 3/8" n.c. x 1 1/4"	4	O/L
39	Carriage bolt 5/16" n.c. x 1"	Boulon à carrosserie 5/16" n.c. x 1"	2	O/L
40	Hex. bolt 1/4" n.c. x 1/2"	Boulon hex. 1/4" n.c. x 1/2"	2	O/L
41	Hex. bolt 5/16" n.c. x 1 1/4"	Boulon hex. 5/16" n.c. x 1 1/4"	2	O/L
42	Nylon insert lock nut 5/16" n.c.	Écrou à garniture de nylon 5/16" n.c.	2	O/L
43	Flat washer 5/16" hole	Rondelle plate 5/16" trou	2	O/L
44	Flat washer 3/8" hole	Rondelle plate 3/8" trou	4	O/L
45	Flat washer 1/2" hole	Rondelle plate 1/2" trou	10	O/L
46	Flat washer 7/16" hole	Rondelle plate 7/16" trou	2	O/L
47	Thread cutting screw 3/8" n.c. x 1"	Vis à filetage coupante 3/8" n.c. x 1"	2	O/L
48	Flange nut M6 x 1.00	Écrou à bride M6 x 1.00	1	O/L
49	Square head set screw 5/16" n.c. x 1/2"	Vis à pression à tête carrée 5/16" n.c. x 1/2"	2	O/L
50	Metal screw pan head #8 x 1/2"	Vis à métal tête pan #8 x 1/2"	2	O/L
51	Metal screw T.H. #12 x 3/4"	Vis métallique T.H. #12 x 3/4"	4	O/L
52	Tie wrap 8"	Attache de nylon 8"	8	O/L
53	Decal caution hot surfaces	Décalque attention surfaces chaudes	1	105133

O/L = Obtain Locally

TORQUE SPECIFICATION TABLE

GENERAL TORQUE SPECIFICATION TABLE USE THE FOLLOWING TORQUES WHEN SPECIAL TORQUES ARE NOT GIVEN

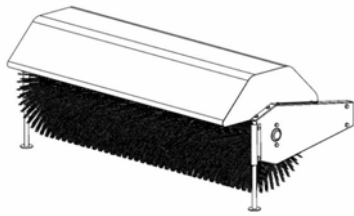
NOTE: These values apply to fasteners as received from supplier, dry or when lubricated with normal oil. They do not apply if special graphited or moly disulphide greases or other extreme pressure lubricants are used. This applies to both UNF and UNC threads.

* Thick nuts must be used with grade 8 bolts

SEE Grade No.		2				5				8 *			
BOLT HEAD IDENTIFICATION MARKS AS PER GRADE NOTE MANUFACTURING MARKS WILL VARY		TORQUE				TORQUE				TORQUE			
BOLT SIZE		FOOT POUNDS		NEW TON-METERS		FOOT POUNDS		NEW TON-METERS		FOOT POUNDS		NEW TON-METERS	
Inches	Millimetre	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
1/4"	6.35	5	6	6.8	8.13	9	11	12.2	14.9	12	15	16.3	30.3
5/16"	7.94	10	12	13.6	16.3	17	20.5	23.1	27.8	24	29	32.5	39.3
3/8"	9.53	20	23	27.1	31.2	35	42	47.5	57	45	54	61	73.2
7/16"	11.11	30	35	40.7	47.4	54	64	73.2	86.8	70	84	94.9	113.9
1/2"	12.7	45	52	61	70.5	80	96	108.5	130.2	110	132	149.2	179
9/16"	14.29	65	75	88.1	101.6	110	132	149.2	179	160	192	217	260.4
5/8"	15.88	95	105	128.7	142.3	150	180	203.4	244.1	220	264	298.3	358
3/4"	19.05	150	185	203.3	250.7	270	324	366.1	439.3	380	456	515.3	618.3
7/8"	22.23	160	200	216.8	271	400	480	542.4	650.9	600	720	813.6	976.3
1"	25.4	250	300	338.8	406.5	580	696	786.5	943.8	900	1080	1220.4	1464.5

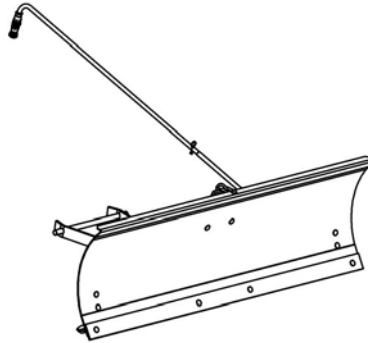
METRIC BOLT TORQUE SPECIFICATIONS							
		COARSE THREAD			FINE THREAD		
Size Screw	Grade No.	Pitch (mm)	Foot Pounds	Newton-Meters	Pitch (mm)	Foot Pounds	Newton-Meters
M6	4T	1.00	3.6 - 5.8	4.9 - 7.9	-	-	-
	7T		5.8 - 9.4	7.9 - 12.7		-	-
	8T		7.2 - 10	9.8 - 13.6		-	-
M8	4T	1.25	7.2 - 14	9.8 - 19	1.00	12 - 17	16.3 - 23
	7T		17 - 22	23 - 29.8		19 - 27	25.7 - 36.6
	8T		20 - 26	27.1 - 35.2		22 - 31	29.8 - 42
M10	4T	1.50	20 - 25	27.1 - 33.9	1.25	20 - 29	27.1 - 39.3
	7T		34 - 40	46.1 - 54.2		35 - 47	47.4 - 63.7
	8T		38 - 46	51.5 - 62.3		40 - 52	54.2 - 70.5
M12	4T	1.75	28 - 34	37.9 - 46.1	1.25	31 - 41	42 - 55.6
	7T		51 - 59	69.1 - 79.9		56 - 68	75.9 - 92.1
	8T		57 - 66	77.2 - 89.4		62 - 75	84 - 101.6
M14	4T	2.00	49 - 56	66.4 - 75.9	1.50	52 - 64	70.5 - 86.7
	7T		81 - 93	109.8 - 126		90 - 106	122 - 143.6
	8T		96 - 109	130.1 - 147.7		107 - 124	145 - 168
M16	4T	2.00	67 - 77	90.8 - 104.3	1.50	69 - 83	93.5 - 112.5
	7T		116 - 130	157.2 - 176.2		120 - 138	162.6 - 187
	8T		129 - 145	174.8 - 196.5		140 - 158	189.7 - 214.1
M18	4T	2.00	88 - 100	119.2 - 136	1.50	100 - 117	136 - 158.5
	7T		150 - 168	203.3 - 227.6		177 - 199	239.8 - 269.6
	8T		175 - 194	237.1 - 262.9		202 - 231	273.7 - 313
M20	4T	2.50	108 - 130	146.3 - 176.2	1.50	132 - 150	178.9 - 203.3
	7T		186 - 205	252 - 277.8		206 - 242	279.1 - 327.9
	8T		213 - 249	288.6 - 337.4		246 - 289	333.3 - 391.6

OPTIONS & ATTACHMENTS

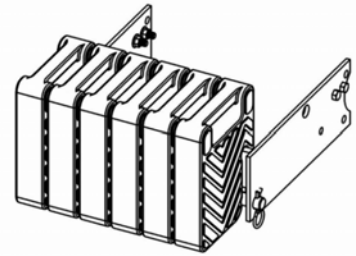


ROTARY BROOM
#700380 with nylon brush
/#700381 with polypropylene brush.

Fits on same subframe as snowblower or utility blade.
 Requires an adaptor.

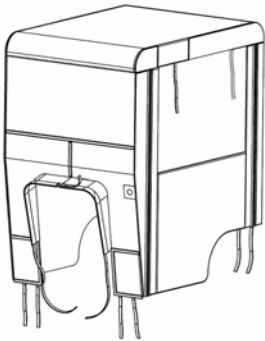


SNOW BLADE #700463
 Mounts on the same subframe as the snowblower & rotary broom.

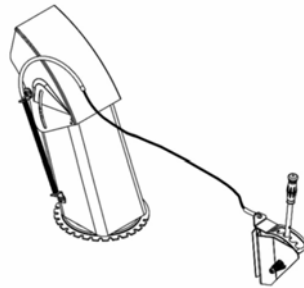


COUNTERWEIGHT

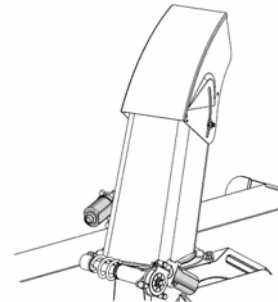
Model # 700246-5
 Required for safety and traction.
 Counter-balances weight of attachment.



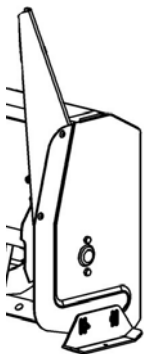
TRACTOR WINTER CAB
#700423-1
 Universal type fits on a wide variety of lawn and garden tractors.



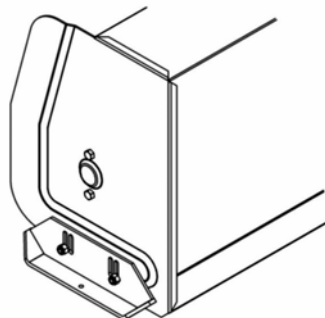
MANUAL DEFLECTOR ADJUSTMENT KIT #700239
ELECTRIC DEFLECTOR ADJUSTMENT KIT #700526
 Adjusts height at which snow is thrown from the driver's seat.



ELECTRIC CHUTE ROTATION & DEFLECTOR KIT #700518
 Allows to turn chute and adjust deflector electrically from driver's seat.

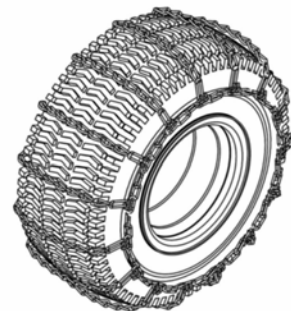


SNOW DRIFT CUTTER
#700260 for Compact & Northeast snowblowers.
 Facilitates and increases snow intake.
 Pkg. of 2



HEAVY DUTY SKID SHOES
#700243

For gravel driveways.
 Pkg. of 2



TIRE CHAINS

Two link spacing. Required for traction and safety.
 Pkg. of 2

NOTES

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Problem:



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